



State of Utah

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DIVISION OF OIL, GAS AND MINING

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August 10, 1999

TO: Minerals File

FROM: Anthony A. Gallegos, Senior Reclamation Specialist

RE: Site Inspection, Energy Fuels Nuclear, McCormick Tunnel and MiVida Mine, M/037/028 San Juan County, Utah

Date of Inspection: June 24, 1999
Time of Inspection: 0820 - 0945 and 1010 - 1159
Conditions: Clear skies, getting warmer
Participants: Tony Gallegos and Doug Jensen, DOGM

Purpose of Inspection: To examine the status of these reclaimed sites while in the area

McCormick Tunnel

This inspection began by walking the reclaimed access road leading to the main pad and mine portal. Vegetation success on the reclaimed road appears to be good. The plants seem to be well established and erosion on the road is minimal. The reclaimed access road shows signs of ATV traffic to the main pad area.

We next examined the mine portal with the ore cars and locomotive. The warning signs located at the ore bins and at the mine portal are still intact. The electric motor for the mine cars shows some signs of additional vandalism, removal of parts and opening of other panels. The backfill inside the portal appears to be stable, but there was some air exhausting through the top of the backfill. This air flow was visible by watching dust move, and you could also hear the air flowing over the top of the backfill. Inside the workings there was some minor spalling of roof materials which are being contained in the chain-link fencing put up on the roof as matting.

Outside of the portal the vegetation on the pad is gradually improving. As time goes on the spreading and invasion of vegetation increases. The action of surface water drainage has distributed soil fines and the vegetation is expanding into these areas. The drainage channel created on the surface of the pad has migrated closer to the face of the dump. This channel will probably need some work to prevent the drainage from eroding the face of the dump.

MiVida Mine

After examining the mine pad at the McCormick Tunnel we walked up the reclaimed area along the drainage to the base of the upper dump, which is associated or called the MiVida dump. In addition to examining the reclamation status of this site, another purpose of this inspection was to attempt to locate claim markers or other survey monuments to assist in locating the original MiVida Discovery Shaft.

While driving on the county road up to the pad for the main office building we noticed a small hole in the road. Adjacent to this hole in the drainage ditch for the road was another sink hole type feature. Both these holes appear to continue for some depth and cool air was exhausting from both openings. The holes may be connected to some underground workings which travel immediately under the county road. At this time the openings are fairly small and are obstructed, however, these features may become safety issues in the future.

The north facing hillside to the south of the main building area was examined extensively by walking exploration roads and cross country travel to locate any survey markers or monuments. One claim corner was located up on the slope of this hillside. The corner was marked with a metal post with a metal tag attached to it. Markings on the tag were MA4-LM3. These markings are believed to correspond to the point at the number four corner of the Mi Alma Claim and the number three corner of the Linda Mujer claim. From the map for the patent survey, this point would also be the number three corner of the MiVida claim. A GPS unit was used to locate a coordinate point at this claim corner. This post was marked with orange flagging and the general area was marked with additional flagging on nearby vegetation to assist in finding this point from different vantage points.

An additional claim corner was located up on plateau above the rim, to the south west of the first claim corner. Markings on the claim corner were MA4-LM3. This claim marker is believed to be the number three corner of the Mi Amoricita claim and the number two corner of the Linda Mujer claim. A wooden post was placed on the horizon of the rim of the cliffs in line with this claim corner. The wooden post is approximately 10 feet from the actual claim corner location.

Several azimuths were taken from the MA4-LM3 claim corner using a brunton compass to find general locations of claim boundaries and other claim corners as shown on the map for the patent survey. The compass had been adjusted for 15° east declination. An azimuth of 38° was taken from this claim corner to locate the approximate position of the Portal Brunte Incline Shaft shown on the survey map as being 1,500 feet from this point. The closest landmark to this azimuth line was the center of the hump visible on the horizon. An azimuth of 188° was taken from this claim corner to the stake on the rock rim in line with the claim marker labeled MA4-LM3 (corner four of the Mi Alma claim and corner three of the Linda Mujer claim). An azimuth of 327° was taken from this claim corner to find the approximate location of the number four corner of the MiVida claim.. A landmark along this azimuth is a major crack in the sandstone face just south of the power pole standing back away from the rim..

A GPS reading was taken at the sinkhole location in the county road under the name of "mividSH1". Another GPS reading was taken at the upper shaft sinkhole location under the name of "mividSH2." An azimuth of the line running from the road ditch sinkhole to the road sinkhole was 80°. The sinkhole at the upper shaft site has not changed considerably since the last Division inspection. It is visible as a depression, but it is not open to the underground workings.

In conclusion, the pad at the McCormick Tunnel will need some drainage restoration in the near future to prevent erosion of the dump face. The GPS information will be useful in locating the original discovery shaft and claim corners for placement of historic markers. Photographs were taken of the various features

Note: We need to keep track of an additional mine opening up on top of the canyon rim that is open and could pose a safety hazard. Additional details from Doug for the AMR group.

MI VIDA - FORFEITED - M370028

Quad: Sandstone Draw - UTM: 652301, 422796

COORDINATES OF FILED
CIRCLE FROM PROGRAM

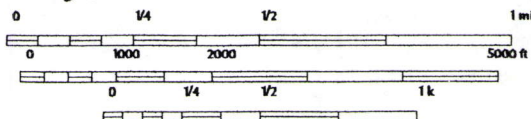


mialma4-Lm3 652983 E, 4228206 N



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mividsh1 652869 E, 4228411 N

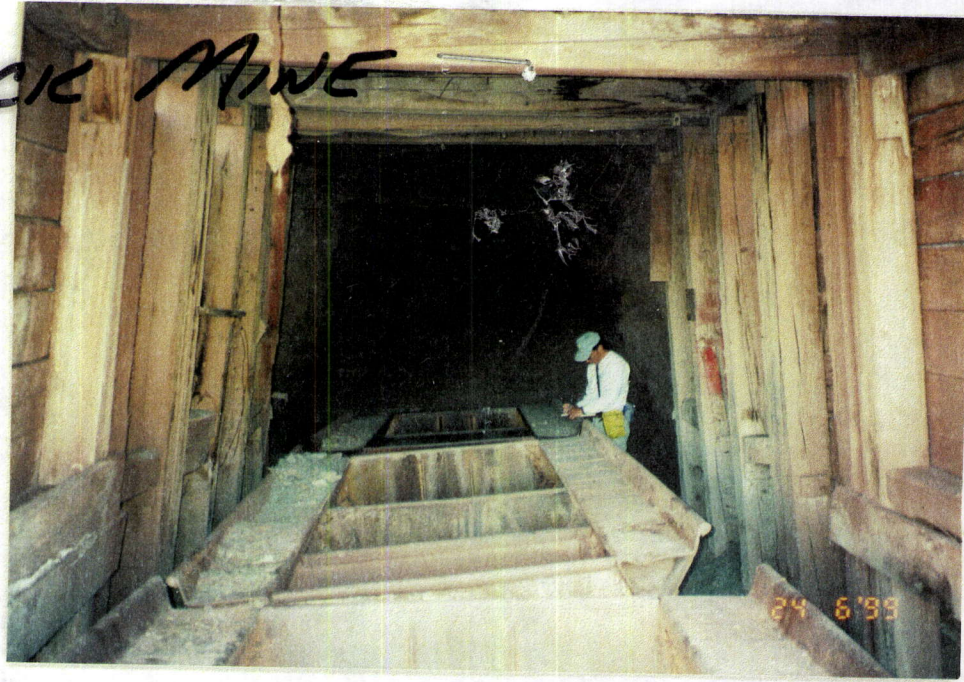
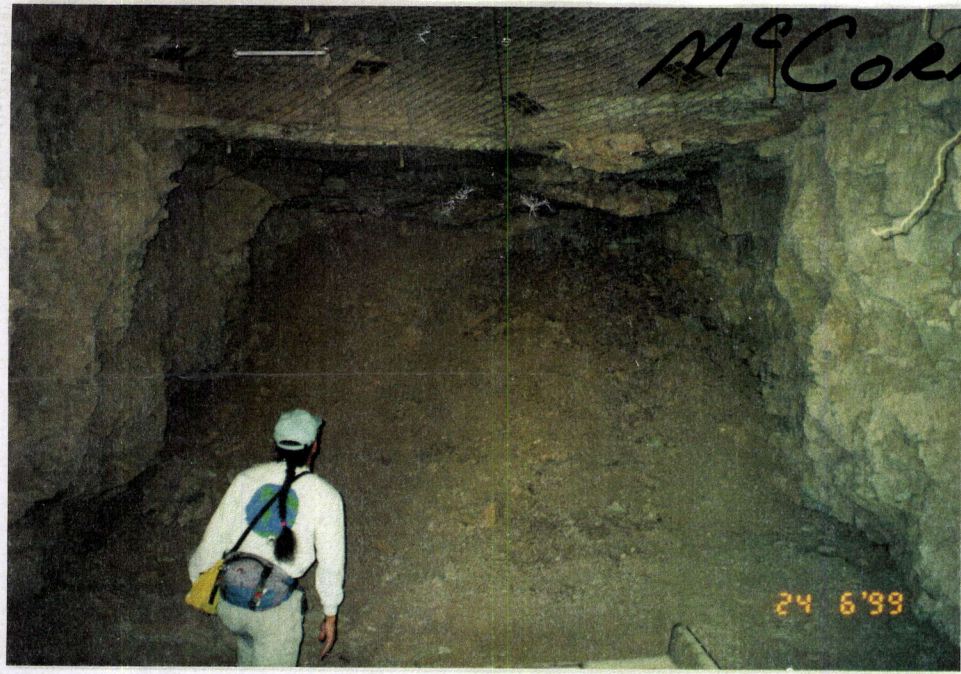


Scale 1:24000 (verify scale)

Plotted August 06, 1999



mividsh2 652857 E, 4228594 N



McCOMBIC MINE

